High Resolution Spy Pen

User Manual

zPen-8

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1. Overview (Diagram A)

2. Introduction

Congratulations on your purchase of the Zetronix™ zPen-8 Video Recording and Sound Recording Device

You are about to open up a revolutionary spy device that less than 10 years ago only CIA and FBI agents could use a device like this. Now in your hand you hold a device that is not only a functional writing pen but a video recorder, sound recorder, photo taker and 8GB of personal storage in your very hand. Within this manual you will find guidance for product operation, care and safety.
More information can also be found at www.zetronix.com

Please register your Zetronix product online at www.zetronix.com/registration

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3. Operation

A. Parts Description: (Please refer to Diagram A)

1 - Camera: Sony ClearVid CMOS Camera Image Sensor.
2 - Microphone Used to record sound.
3 - Operation Button Press the button once to turn the pen on and off.
4 - Light Indicator Blue light is on during recording mode. Yellow, means it's on standby.
5 - Reset Button If the pen stops responding, use a non-metallic tool to push the reset button.
6 - USB Interface This port is to be used to connect to the computer or a charger.
7 - Video/Photo, Audio Switch Switch used to record audio only.

B. ON/OFF: To turn on the device press and hold the button (3) for 3 seconds. The yellow light indicator will come on. This is the video recording **standby mode**. To power off the device, leave it at video standby mode (yellow light), it will shut itself off after 60 seconds. You can also power it off by setting the device to photo standby mode (at blue light, see below) then press and hold the button for 6 seconds. **Note:** As an added feature to facilitate usage under discrete situations, the device will automatically start recording 5 seconds after being switched on.

C. Changing Mode: Use the switch (7) to change the device in between video and photo standby mode to audio recording mode.

1. **Video Mode:** First make sure the switch (7) is set on the left, when you see the yellow light; it means the pen is in video standby mode. Click the button to record video. The light will turn blue. Click the button again to stop recording, the light will turn back to yellow into video standby mode.

2. **Photo Mode:** Also make sure the switch (7) is on the left. While in video standby mode (yellow light) press and hold the button for 3 seconds. The light will turn blue into photo standby mode. Click the button to take picture. You will see the blue light quickly flash yellow then back to blue. Press and hold the button for 3 seconds to switch back to video standby mode.

3. **Audio Mode** Move the switch (7) to the right to set the device to Audio recording mode. Hit the button to start recording audio. The light will turn blue and slowly flash on and off. Hit the button again to stop recording. The light will turn back to yellow.

Note: *Keep the camera upright and stable. Object should be more than 2 feet from the camera. In order to ensure the safe structure of the video file and the size of the file, the device will automatically save the file to memory every 50 minutes during recording.*

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D. Removable Disk: Connect the pen to the computer USB port, within 10 seconds your computer should detect the device and install itself as a new drive. You may see an "AutoPlay" menu titled "Removable Disk (E:)" pop up prompting your action, here you may click on "Open Folder to view files". You will also see a new drive in "My Computer" named "Removable Disk (E:)" ***(drive letter may vary, most likely, D, E, or F)***. To access the pictures and video files in the device, you may browse the folders E:\VIDEO\RECORD, E:\IMAGE\RECORD or E:\AUDIOREC for video, pictures or audio acordenly. You can transfer, copy remove files to or from the device just as any other drive. Once you're ready to remove the pen, please click on the task bar on the bottom right corner of the icon to the management of removable devices, remove the inside removable storage devices, when the system recognizes the hardware can be safely pulled out, and then disconnect the device from the computer.

> ***Note:*** *According to a computer or system configuration differences, the time to identify removable disk will vary on system, please be patient. Please do not use the camera device during this time to avoid impact of the computer hardware identification. If the computer does not identify a removable disk for a long time, try removing the device from your computer and re-connecting. If still unable to identify the hardware, make sure that your operating system, driver, USB interface cable are all working;* ***do not*** *remove the device while files are being transferred, or this may corrupt all the files in the device.*

E. Webcam Mode: First install the webcam in your computer by inserting the device in the USB port, wait a few seconds for the system to detect it, it will first install itself as a drive ("removable Device", see previous section, "F. Removable Disk"), once it is at the "Removable disk" mode, press and hold the button on the device for 4 seconds. Your system will automatically install the webcam drivers within 10 seconds. Next disconnect the device from your computers' USB port. The next time you insert the device in your computer again simply press and hold the button for 4 seconds again to start the webcam.

> ***Note:*** *According to the computer system configuration, the computer may not detect a camera mode for the first time, if the computer cannot enter the camera mode, but you see it as a USB drive, please remove the Pen and connect the Pen to the computer again.*

F. Charging: Connect to computer USB interface or charger. During charging, the yellow light will flash slowly. When the battery is fully recharged, the yellow light will stop flashing.

Note: *The recorder has a built-in high-capacity lithium polymer battery. The battery has no memory effect; it can be used and charged at anytime. For the first initial five charges, please charge battery to 100% full level after the battery is completely empty. This activities the batteries maximum capacity and maintains the standard working time. In order to maximize the capacity of storage battery, please continue to charge for 30 minutes to 1 hour after the indicator light turns and stays bright.*

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G. Date and Time setup: follow the steps below to change or remove the video timestamp.

1. Connect the device to your computer's USB port.
2. Ensure that you computer detects the device as a drive. Open "My Computer" and hit F5 to refresh and look for a new drive, most likely something named "Removable Disk (E:)". Take note of the drive letter associated with the device. Most likely D:, E:, F: or G: depending on how many other drives your system has.
3. Open a text editor such as Notepad.
4. Enter the current date and time, or the desired date and time in the following format: YYYY.MM.DD HH.MM.SS Y

   Where YYYY = year, MM = month, DD = day, HH = hour, MM = minute and SS = seconds
   For example:
   The date July 4th, 2009 - 9:15:00 AM would be written: 2009.07.04 09.15.00 Y

   The last character "Y" specifies whether or not to show the timestamp. To remove the timestamp, simply change the last character "Y" to "N".

5. Save the text file as "time.txt" to the device. (drive letter on step 2).

Changes will go in effect the next time a video is recorded.

H. Troubleshooting:

Problem playing video: If the video image is blank or black, or only sound plays back, you may have a problem with the video playback software. Some versions of Windows Media Player or Quicktime player may not be able to play media from this device. Try using a different media player or you can download a freeware version of VLC at the following URL: http://www.videolan.org/vlc/

Device is not responding: When using the buttons on the device, wait 3 to 5 seconds in between actions to give more time for the microprocessor to respond. If the indicator light fails to change colors or state regardless of action, try resetting the device. To reset, carefully insert a pin or needle in the hole below the light indicator hole (5). There's a hidden micro switch inside. Poke around until fell a click or the device shuts off.

Not recording or shuts off automatically: Either the storage space is insufficient, or the battery is running low. Try moving some files out of the device or recharging the battery. Full charge will take approximately 5-7 hours.

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4. Specifications

Item	Parameters
Video format	AVI
Video encoding	Xvid MPEG-4
Video resolution	640x480
Video frame rate	30fps ± 1 fps
Media playing software	Attached software of the operating system or Mainstream audio and video media playing software, recommend Kmplayer
Picture format	JPG
Picture pixels	8 Mega Pixels (8MP)
The ratio of image	4:3
Supporting system	Windows me/2000/xp/2003/vista；Mac OS10.4；
Charger voltage	DC-5V
Interface type	USB
Storage support	NAND flash
Battery type	High-capacity lithium polymer
Battery Capacity	280mAh
Working Time	Aprox. 90 - 100 Minutes

5. Warning:

- **Application:** Please strictly abide relevant regulations and laws. This product should not be used for any illegal purposes. The user is fully responsible for its using purpose.
- **Battery:** If do not use this recording mode after long time, please charged it fully before using.
- **File security:** This product is not a professional storage device. It does not guarantee the integrity and security of saved files. Please back up your important documents on the computer or other storage device timely.
- **Video quality:** This product is not a professional video recording device. It Does not guarantee the effect of the video file to have the professional quality
- **Operating temperature:** 0—40°C. For the extension of life, it is best used at room temperature.
- **Operating humidity:** 20% -80%. This product does not have the waterproof mode. So it can not work under the humid environment,。
- **Shooting brightness**: Do not expose the camera directly to strong light, such as the sun light, to avoid damage to optical devices.
- **Cleaning**: Do not use it under the environment with high dust density to avoid any contamination of camera or other components.

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6. Limited Warranty from Zetronix Corp.,

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